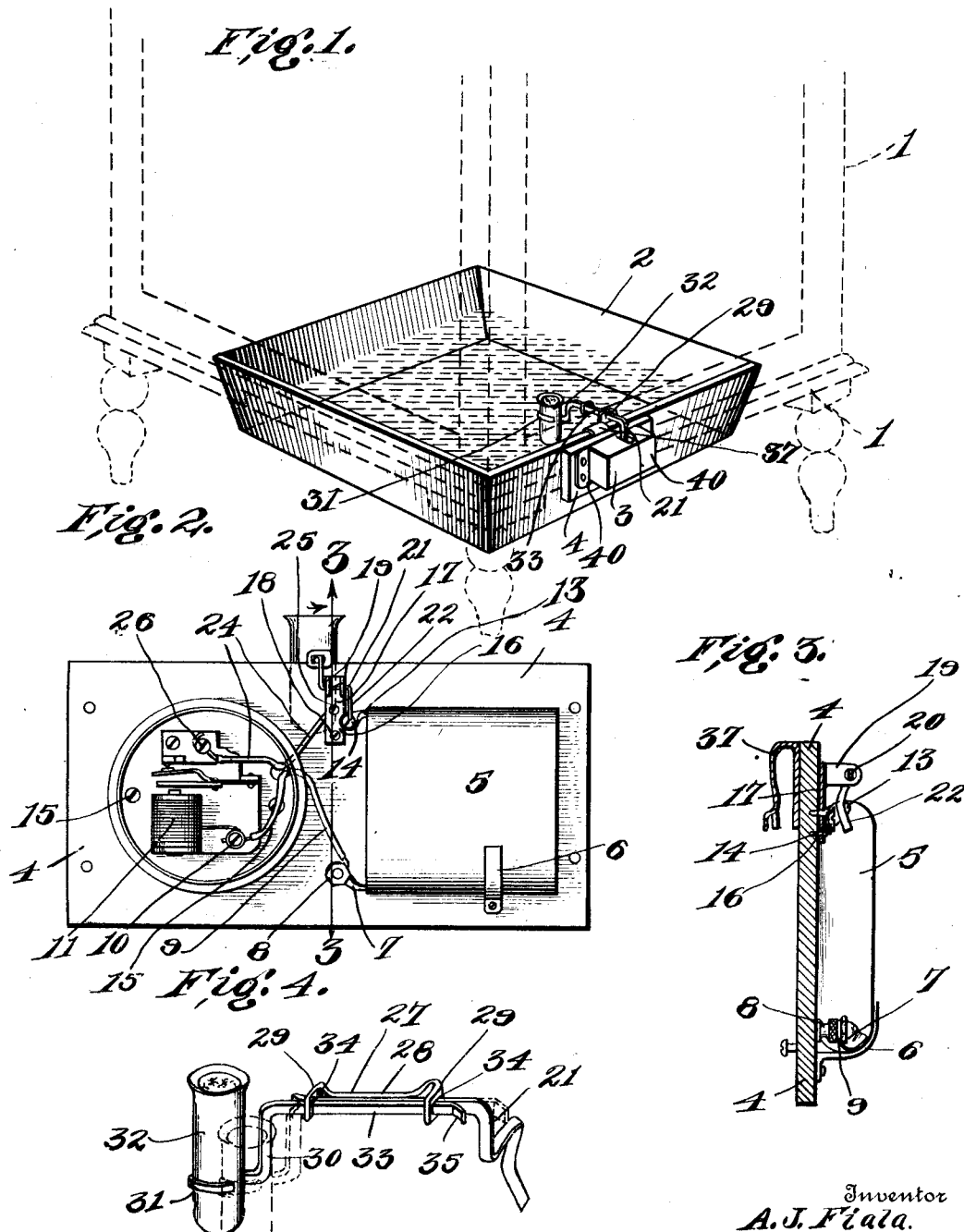


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ALARM ATTACHMENT FOR REFRIGERATOR DRIP PANS.
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Patented July 8, 1913.



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UNITED STATES PATENT OFFICE.

ALEXANDER J. FIALA, OF OMAHA, NEBRASKA.

ALARM ATTACHMENT FOR REFRIGERATOR DRIP-PANS.

1,066,479.

Specification of Letters Patent.

Patented July 8, 1913.

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To all whom it may concern:

Be it known that I, ALEXANDER J. FIALA, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented a new and useful Alarm Attachment for Refrigerator Drip-Pans; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to a new and useful alarm or signal device for refrigerator drip pans.

One of the objects of the invention is the provision of an adjustable float, whereby the alarm may be sounded at various heights of the water in the pan. The float proper may be adjusted to accomplish this purpose, or the sectional swinging arm may be adjusted to increase or decrease the swing of the arm to accomplish said purpose. In addition a contact screw may be adjusted, in order to allow the alarm to be sounded at various heights of the water.

In the drawings there is disclosed certain features of construction, but in practical fields these features may necessitate alterations, to which the patentee is entitled, provided the alterations are comprehended within the scope of what is claimed.

The invention comprises further features and combination of parts, as hereinafter set forth, shown in the drawings and claimed.

In the drawings:—Figure 1 is a view showing the application of the improved alarm attachment. Fig. 2 is a view in elevation showing the cover of the attachment removed, in order to illustrate the circuit closer in combination with the battery and the alarm device or buzzer. Fig. 3 is a sectional view on line 3—3 of Fig. 2. Fig. 4 is a detail view of the float actuated circuit closer.

Referring to the drawings more particularly 1 designates a portion of a refrigerator, while 2 denotes the drip pan, whereas 3 marks the alarm attachment. The alarm attachment may be applied to either a round or square pan, and may be provided with either a two or three cell battery, and a buzzer or bell.

The alarm attachment 3 comprises a base 4, to which a dry battery 5 is secured, by

means of the clamp 6. The dry battery is provided with a terminal 7, which is secured to the binding screw 8, there being a wire 9 connecting between said binding screw and the binding post 10 of the bell or buzzer 11. Another terminal 13 projects from the battery, through which terminal a contact screw 14 is threaded. The bell or buzzer is secured to the base 4 as at 15. Also secured to the base as at 16 is a plate 17, by means of the screws 18. This plate 17 is provided with a pair of laterally extending parallel arms 19, in apertures 20 of which an angular arm 21 is mounted, the extension 22 of which arm coöperates with the contact screw 14, so as to open or close the circuit between the bell or buzzer and the battery. By adjusting the contact screw 14, the closing of the circuit may be varied. A wire 24 connects between the binding screw 25 of the plate 17 and the binding screw 26 of the buzzer or bell. A spring bracket 27 having an elongated spring portion 28 (which lies against and parallel with the angular arm 21) and provided with angled ends 29 is carried upon the angular arm 21, said arm extending through the angled ends, with its ends bent slightly in a lateral direction, to hold the spring bracket in place. A second arm 30 terminating at one end in a circular clamp 31 for the reception of the float 32 is provided. This float may be adjusted vertically, so that the circuit between the battery and the buzzer may be closed at various heights of the water. The elongated portion 33 of the arm 30 passes through the openings 34 of the angled ends 29, and is arranged parallel with the portion 28 of the bracket 27 and the arm 21. The end 35 of the portion 33 is bent at an angle to hold the arm 30 against movement in one direction. By adjusting the arm 30 in one direction or the other, thereby increasing or decreasing the arc on which the float moves, the closing of the circuit may be varied. The base 4 is provided with a U-shaped clamp 37, for attaching the alarm attachment to the drip pan.

When the water in the pan reaches the float thereby raising the float, the arm 21 and the arm 30 are tilted, so that the extension 22 of the arm 21 will contact with the screw 14, thereby closing the circuit between the buzzer and the battery, thereby giving

the alarm. The battery and buzzer are covered by a shield 40, which is secured to the base 4 in any suitable manner.

The invention having been set forth, what is claimed as new and useful is:—

In combination with a battery having an alarm sounding device in circuit therewith, a circuit closer comprising a stationary contact member, a bracket plate having parallel arms, a pair of arms adjustable longitudinally with relation to one another, one of which is pivotally mounted in the arms of the bracket plate and provided with an extension to cooperate with said contact member, while the other arm of said pair of adjustable arms is provided with a circular clamp at one of its ends, and a spring clamp

having laterally extending apertured lugs through which said pair of adjustable arms extends, one end of each of said pair of adjustable arms having an offset lug to contact with one of the lugs of said spring clamp, to limit the adjustment of said arms, said spring clamp constituting means for holding said pair of arms together, and a float adjustable in said circular clamp.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

ALEXANDER J. FIALA.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."